SUBJECT INDEX
Volume 24

Abbovestrol-Prid 151
age and testosterone 185
alfaprostol 13, 655, 737
alpaca, embryo transfer 251
a.m./p.m. rule 495, 501
anestrus, primary in bitch 597

blood typing, mare 197
bluetongue virus 345
body composition, cow 235
breeding efficiency
    bull 211
    performance, ram 21
    timing, mare 465
Bubalus bubalis 185, 327
buffalo 185
    bull calves, thyroxine 509
    postpartum 435
bull breeding efficiency 211
    buffalo 293
    fertility test 489
    immunocastration 59
    Robertsonian translocation 419
    scrotum 211
    semen 197, 211
    testosterone 185
Buserelin 725

calf removal 119, 565
carcinoma, urinary bladder 327
cat, semen extender 449
catheter-mounted pressure transducer 551
C-banding, chromosomes 419
cervix, anatomy, competence 109
chondroitin sulfate and spermatozoa 537
chromosome abnormality, Zebu 419
Chronogest 475
clenbuterol
    cow 385
    mare 701
cloprostenol
    cow 173
    mare 35
cortisol, cow 119, 619
cow breed, effect on
    cervix 109
    embryo 271
        and virus 345
        culture 369
        transfer 725

AUTHOR INDEX
Volume 24

Agarwal, S.P. 293, 509
Agarwal, V.K. 293, 509
Ahmad, M. 435
Ainsworth, L. 479
Aitken, R.P. 519
Alaçam, E. 283
Allen, W.E. 35, 551
Amann, R.P. 681
Amborski, G.F. 271
Anderson, K.L. 305

Barnes, M.A. 619
Bartlett, D.E. 131
Bearden, H.J. 495
Bergfelt, D.R. 73, 99, 409, 587
Blanchard, T.L. 109
Bolt, D.J. 211
Bowling, A.T. 203
Braithwaite, M. 173
Bratton, G.R. 457
Bretzlaff, K.N. 351
Brinster, R.L. 687, 693
Brooks, A.L. 235
Buoen, L.C. 597
Buvanendran, V. 419

Canfield, R.W. 619
Canseco, R.S. 369
Cantley, T.C. 13
Chapman, R.J. 251
Cristanelli, M.J. 681

Dailey, R.A. 435
Daunizeau, A. 725
Day, B.N. 13
Diehl, J.R. 655
Dieleman, S.J. 395
Dixit, N.K. 293
Dobson, H. 1
Downey, B.R. 185
Dwaraknath, P.K. 293, 509

Eargle, J.C. 655
Einarsson, E.J. 375
Ellersieck, M.R. 217
Elsden, R.P. 45

Fahmi, H.A. 227
First, N.L. 537
Flowers, W.L. 13
Foote, R.H. 147, 197
Frank, A. 305
Fredriksson, G. 331
Fukui, Y. 631
Fuquay, J.W. 495, 501
Furumura, K. 319

Garcia, M.C. 109, 409
Ginther, O.J. 73, 87, 99, 359, 409, 465, 587, 667, 701
Gipson, T.A. 217
Glatzel, P. 283
Glover, T.E. 449
Goddard, P.J. 35, 551
Godke, R.A. 271
Gonzalez, L.V. 495
Goode, L. 259
Gouffé, D. 725
Gunarajasingam, D. 185
Gustafsson, B.K. 305
Guvën, B. 283
Gwazdauskas, F.C. 369

Hall, J.B. 565
Hallford, D.M. 21
Hammer, R.E. 687, 693
Hansen, P.J. 149
Hare, W.C.D. 345
Hayes, K.E.N. 465
Hearne, W.R. 501
Hegstad, R.L. 227
Hemeida, N.A. 305
Henderson, G. 519
Hill, K.G. 271
Hinrichs, K. 109
Holtz, W. 151
Horiuchi, S. 425
Huffman, E.M. 163
Humblot, P. 725

Iinuma, M. 425
Inskeep, E.K. 435
Iuliano, M.F. 647
Izgür, H. 283

Jean, O. 725
Jochle, W. 173
Johnston, S.D. 597

Katsumata, M. 337
Kawata, K. 425
Kazmer, G.W. 619
Keay, L.E. 737
Kenney, R.M. 109
Kiliçoglu, Ç. 283
Kiracofe, G.H. 737
Kirk, J.H. 163
Kiser, T.E. 119, 565
Kobayashi, M. 631
Kojima, M. 631
Kruip, Th.A.M. 395

Lagüe, P.C. 185
Leith, G.S. 73, 409, 701
Lewis, G.S. 435
Lewis, P.E. 435
Linnerud, A.C. 259
Lodge, J.R. 489
Lusby, K.S. 385

Mac Donnell, H.F. 575
Madl, J.E. 597
Madrid, N. 351
Mapletoft, R.J. 173
Martin, M.J. 13
Massey, J.W. 217
McGowan, M.R. 173
McKelvey, W.A.C. 519
Meisinger, T.C. 13
Miller, K.F. 211
Morrow, R.E. 235

Nakamura, H. 425
Nakao, T. 425
Nanda, A.S. 327
Nuti, L.C. 587

Odde, K.G. 737
Oldenkamp, E.P. 609
O'Neill, S.M. 21
Ono, H. 631
Osborne, H.G. 109
Öszar, S. 283
Ôta, K. 319
Oyedipe, E.O. 419

Pappaioanou, M. 163
Parrish, J.J. 537
Pathiraja, N. 419
Pickett, B.W. 681
Pierson, R.A. 359, 465
Pivonka, P.R. 587
Pratt, B. 385
Pursel, V.G. 687, 693
Putnam, M.R. 385

Rajamahendran, R. 185, 369
Reed, M.L. 643
Rexroad, Jr., C.E. 687
Rice, L.E. 385
Robinson, J.J. 519
Ross, T.T. 259
Roussel, J.D. 643

Schanbacher, B.D. 59
Schlehofer, J.F. 489
Schumacher, J. 457
Scraba, S.T. 73, 409, 465, 587, 667
Seidel, Jr., G.E. 45
Seybt, S.H. 643
Sharma, I.J. 509
Sharma, R.D. 327
Shirakawa, J. 425
Shrestha, J.N.B. 479
Singh, E.L. 345
Slade, N.P. 45
Smith, A.E. 501
Squires, E.L. 45, 647, 681
Stuart, M.J. 501
Sugie, T. 337
Sugihashi, A. 425
Sundqvist, C. 713
Susko-Parrish, J.L. 537

Takeda, T. 45
Tekeli, T. 283
Thibier, M. 725
Thomas, F.C. 345
Thompson, F.N. 119, 565
Tibary, A. 227
Tokunaga, T. 337
Tsunoda, Y. 337
Tsurubayashi, M. 425

Usmani, R.H. 435

Valognes, J. 725
van Laar, P.H. 609
van der Holst, W. 609
Varner, D.D. 109
Vinson, W.E. 369
Voelkel, S.A. 271
Vogt, D.W. 217
Voss, H.J. 151

Wahome, J.N. 501
Wall, R.J. 687, 693
Watson, P.F. 449

Weber, A.F. 597
Wetteman, R.P. 385
Whisnant, C.S. 119, 565
Whitmore, H.L. 305
Wiepz, D.W. 251
Williams, J.W. 457
Williamson, N.B. 227

Yokoyama, A. 319
Youngquist, R.S. 235

SUBJECT INDEX
Volume 24

Abbovestrol-Prid 151
age and testosterone 185
alfaprostol 13, 655, 737
alpaca, embryo transfer 251
a.m./p.m. rule 495, 501
anestrus, primary in bitch 597

blood typing, mare 197
bluetongue virus 345
body composition, cow 235
breeding efficiency
    bull 211
    performance, ram 21
    timing, mare 465
Bubalus bubalis 185, 327
buffalo 185
    bull calves, thyroxine 509
    postpartum 435
bull breeding efficiency 211
    buffalo 293
    fertility test 489
    immunocastration 59
    Robertsonian translocation 419
    scrotum 211
    semen 197, 211
    testosterone 185
Buserelin 725

calf removal 119, 565
carcinoma, urinary bladder 327
cat, semen extender 449
catheter-mounted pressure transducer 551
C-banding, chromosomes 419
cervix, anatomy, competence 109
chondroitin sulfate and spermatozoa 537
chromosome abnormality, Zebu 419
Chronogest 475
clenbuterol
    cow 385
    mare 701
cloprostenol
    cow 173
    mare 35
cortisol, cow 119, 619
cow breed, effect on
    cervix 109
    embryo 271
        and virus 345
        culture 369
        transfer 725

cow breed, effect on (cont.)
    estrus synchronization 151, 495, 501, 737
    fetal development 197
    follicle 395
    insemination once or twice 495, 501
    parturition 385
    postpartum 565
    progesterone 643
    prostaglandin F2alpha 151
    puberty 235
    superovulation 173
cryopreservation, embryo 45
cysts, luteinized 425

Delvosterone 609
demi-embryo 271, 337
Dinolytic 151
dinoprost, mare 35
dog, X trisomy 597
Dulbecco's PBS 369
dystocia, buffalo 327

embryo cell nuclei 687, 693
    culture
        cow 271, 369
        mare 45
    loss, mare 73, 87, 409
    motility, mare 701
    transfer
        cow 151, 173, 725
        goat 337
        mare 647
    viral infection 345
Equinex 475
estradiol-17beta
    bull 293
    cow 619
    follicle 395
estrous behavior 1
    cycle
        cow 643
        mare 465
Estrumate 151
estrus detection
    cow 495, 501
    induction
        ewe 631
        goat 283
    synchronization
        cow 151, 495, 501, 737
        ewe 1, 475, 519, 575
        goat 283, 351
        llama 251
    transitional mare 609

ewe
    estrus induction 631
        synchronization 1, 475, 575
    follicle stimulating hormone 211
    follicular fluid 211
    intrauterine pressure 551
    laparoscopy 519
    luteinizing hormone 211
    parturition 331
    postpartum 331
    stress 259

fasting, cow 619
Felis catus 449
fertility
    cow 109, 495
    ewe 631
    goat 351
    test, bull 489
fertilization in vitro 537
fertilizing ability, spermatozoa 489
Fertirelin acetate 425
fetal development, cow 197
fluorescein isothiocyanate 693
fluorescence, embryo cells 687
fluorochromes in embryo stains 693
flurogestone acetate 475
follicle
    cow 395
    mare 87, 359
follicle stimulating hormone
    cow 173
    ewe 211
    mare 87
follicular fluid
    ewe 211
    mare 87
folliculostatin 211
freezing, embryo 45

genital development, mouse 587
glucose, cow 619
goat gonadal steroids 227
    embryo 337
    estrus synchronization 283
gonadal dysgenesis (XO), mare 197
gonadotropin
    analogue
        bull 185
        cow 425, 725
        ewe 631
    effect on testes 319
    releasing hormone, agonist 1
growth hormone, cow 619

Ham's F-10 medium 369
heifer, see cow
heparin and spermatozoa 537
heterospermic insemination 489
Hoechst 33342 687

immunocastration
    bull 59
    ram 59
immunology in reproduction (book) 149
implantation, delayed in mink 375
inhibin, ewe 211
inhibition of gonadotropin 87
insemination, heterospermic 489
    once or twice
        cow 495, 501
    with laparoscope 519
interstitial cells in testes 319
intrauterine pressure
    ewe 551
    mare 35
intravaginal pressure, mare 35

karyotype
    mare 203
    Zebu 419

Lama lama 251
Lama pacos 251
lamb mortality 163
laparoscopy, ewe 519
leukocytes in utero 305
libido
    buffalo bull 293
    ram 21
lighting, artificial, in mare 667
llama, embryo transfer 251
luteinizing hormone
    cow 119, 565, 619
    ewe 1, 211
    immunization vs. 59
    pituitary content 59
luteolysis 1

mare
    chromosomal abnormality 197
    embryo freezing 45
        loss 73, 87, 409
        motility 701
        transfer 647
    follicle 359
    gonadal dysgenesis 197
    intrauterine pressure 35
    metritis 409

mare (cont.)
    ovariectomy 87
    perineal anesthesia 457
    progesterone 409
    season 587
    transitional stage estrus 609
    ultrasonography 73, 87, 359, 465
    under artificial light 667
methoxybenzoxazolinone (6-MBOA) 587
micromanipulation
    embryo 271, 337
    stained embryos 693
mink
    litter size 587
    pregnancy 375
    testes 701
monozygotic twin induction 337
morphometry, testis 713
mouse, genital development 587
Murrah buffalo 293
Mustela vison 375, 587, 701, 713
myometrial paralysis 385

neonatal mortality, lamb 163
nerve blocks, mare 457
neutrophils in utero 305
Nili-ravi buffalo 435
Norgestomet 151, 351
nuclear stain 687, 693
nutrition effect
    cow 565
    fertility 619

osmolality, spermatozoa 449
ovarian dysplasia, bitch 597
ovariectomy, mare 87
ovulation intervals, mare 409
ovulation, mare 87
ovum, sow 693
oxytocin, mare 35

parturition
    cow 385
    ewe 331
parturition induction, sow 13, 655
pergonal 173
perineal anesthesia
    mare 457
    stallion 457
phagocytosis in utero 305
photoperiod
    ewe 475
    mare 667

pig, see sow or boar
pituitary exhaustion 1
Planipart™ 385
plant "estrogens" 587
postpartum
    buffalo 435
    cow 119, 565
    ewe 331
pregnancy
    cow 109
    mink 375
pregnancy rate, mare 409
pregnant mare serum gonadotropin, ewe 475, 631
pressure transducer in catheter 551
progestagens
    cow 151
    ewe 475
progesterone
    bull 293
    cow 495, 619
        breed effect 643
    goat 227
    follicle 395
    mare 87, 409
    mink 375
    sponges
        ewe 1, 575
        goat 283
prolactin
    cow 619
    effect on testes 319
prolificacy
    ewe 475
    mink 587
proligestone, mare 609
prostaglandin F2alpha
    analogue
        cow 425
        sow 13
    cow 151, 495, 501
    ewe 331
    goat 283
    mare 25, 87
prostaglandins (book) 147
pseudopregnancy 73
puberty
    buffalo bull 509
    cow 235
puberty induction, rat 587
pudendal nerve block 457

radioimmunoassay
    kits 227
    validation 643

ram
    breeding performance 21
    immunocastration 59
    semen 21
    serum physiologic constituents 21
    testosterone 21
rat, puberty 587
rectal, caudal nerve block 457
repeatability of radioimmunoassay 643
repeat breeder cow 725
reproductive efficiency 13
    stimulus from plants 587
Robertsonian translocation, bull 419

scrotal circumference, bull 217
season and testosterone 185
    buffalo bull 293
    ewe 475
    goat 283
    mare 587, 667
    mink 713
semen
    bull 197
    characteristics, bull 217, 293
    extender
        cat 449
        stallion 681
    ram 21
semen and bluetongue virus 345
serum
    normal steer 369
    physiologic constituents, ram 21
sewage solids as feed 21
sex separation of semen 197
shrew, house musk 319
sow, induced parturition 13, 655
spermatogenesis, mink 713
spermatozoa
    capacitation 537
    freezing 681
    osmolality 449
    treated 489
sponge, intravaginal
    goat 283
stallion
    perineal anesthesia 457
    spermatozoa 681
stress, ewe 259
Suncus murinus 319
superovulation, cow 173, 489

testes
    mink 713
    shrew 319

testosterone
    bull 185, 293
    follicle 395
    goat 227
    ram 21, 59
tetramethylrhodamine isothiocyanate 693
theriogenology, history 131
thyroxine
    buffalo bull calves 509
    ewe 259
tri-iodothyronine, buffalo 509
tropical sheep breeds 259
trypan blue in embryos 687

ultrasonography, mare 73, 359, 465
urea, cow 619
uterine
    cell culture 271
    contractions, mare 701
    tube, ewe 551
uterus
    ewe 519
    involution 435
    mare 35, 409, 465, 701

weaning, calf 119, 565

X trisomy, dog 597

Zebu bull 419